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OM nucleic - nucleic search, using sw model

Run on: August 16, 2005, 17:57:16 ; Search time 720 Seconds  
(without alignments)  
7812.799 Million cell updates/sec

Title: US-09-601-267-36

Perfect score: 867  
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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 7305758 seqs, 3244068913 residues

Total number of hits satisfying chosen parameters: 14611516

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*  
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21: /cgn2\_6/prodata/2/pubpna/US10I\_PUBCOMB.seq:\*  
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26: /cgn2\_6/prodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	848.6	97.9	2426	9	US-09-057-351-3
2	848.6	97.9	2426	14	US-10-206-447-2
3	848.6	97.9	2426	16	US-10-359-935-3
4	333	38.4	981	10	US-09-895-606-5
5	163	18.8	545	17	US-10-388-360-384
6	163	18.8	545	21	US-10-831-266-2
7	163	18.8	545	21	US-10-831-267-2

8	110.8	12.8	340449	11	US-09-903-582-3	Sequence 3, Appli
9	109.2	12.6	133893	13	US-10-161-510-1	Sequence 1, Appli
10	108.8	12.5	201	19	US-10-741-601-25989	Sequence 25989, A
11	108.6	12.5	27240	19	US-10-741-601-5777	Sequence 5777, Ap
12	108.6	12.5	76598	21	US-10-936-273-30	Sequence 30, Appl
13	108.6	12.5	76598	22	US-10-948-947A-1	Sequence 1, Appli
14	107.6	12.4	52899	17	US-10-085-117-148	Sequence 148, App
15	106.2	12.2	2275	17	US-10-104-047-453	Sequence 453, App
16	106.2	12.2	313287	19	US-10-322-281-48	Sequence 48, Appl
17	106	12.2	1286	13	US-10-027-633-202645	Sequence 202645,
18	106	12.2	1286	17	US-10-027-633-202645	Sequence 202645,
19	106	12.2	138837	19	US-10-322-281-146	Sequence 146, App
20	106	12.2	294575	22	US-10-737-082-127	Sequence 127, App
21	106	12.2	294575	22	US-10-765-790-127	Sequence 85, Appl
22	105	12.1	53779	22	US-10-737-082-85	Sequence 85, Appl
23	105	12.1	53779	22	US-10-765-790-85	Sequence 85, Appl
24	104.8	12.1	2133	17	US-10-108-260A-468	Sequence 468, App
25	104.8	12.1	26928	17	US-10-374-979-6	Sequence 6, Appli
26	104.8	12.1	26928	18	US-10-182-936A-6	Sequence 6, Appli
27	104.8	12.1	26928	19	US-10-731-739-6	Sequence 6, Appli
28	104.8	12.1	26928	20	US-10-477-238A-6	Sequence 6, Appli
29	104.8	12.1	26928	20	US-10-680-287A-6	Sequence 6, Appli
30	104.8	12.1	26928	21	US-10-477-173-6	Sequence 6, Appli
31	104.8	12.1	26928	22	US-10-834-377-6	Sequence 6, Appli
32	104.8	12.1	156843	13	US-10-087-192-1408	Sequence 1408, Ap
33	104.4	12.0	46878	21	US-10-741-600-17664	Sequence 17664, A
34	104.4	12.0	54945	10	US-09-967-665-10	Sequence 10, Appl
35	104.4	12.0	76410	13	US-10-087-192-70	Sequence 70, Appl
36	104.4	12.0	115935	19	US-10-775-169-241	Sequence 241, App
37	104.4	12.0	168749	17	US-10-085-117-250	Sequence 250, App
38	104.4	12.0	220895	19	US-10-775-169-88	Sequence 88, Appl
39	104.4	12.0	301692	17	US-10-428-487-11	Sequence 11, Appl
40	104.4	12.0	310268	19	US-10-367-094-195	Sequence 195, App
41	104.4	12.0	493999	20	US-10-719-993-6787	Sequence 6787, Ap
42	104	12.0	32134	10	US-09-764-891-6303	Sequence 6303, Ap
43	104	12.0	32134	15	US-10-205-428-608	Sequence 608, App
44	104	12.0	32191	10	US-09-764-891-6304	Sequence 6304, App
45	104	12.0	32191	15	US-10-205-428-609	Sequence 609, App

ALIGNMENTS

RESULT 1  
US-09-057-351-3  
; Sequence 3, Application US/09057351  
; Patent No. US20010034439A1  
; GENERAL INFORMATION:  
; APPLICANT: Villeponteau, Bryant  
; APPLICANT: Funk, Junli  
; APPLICANT: Funk, Walter  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: Mammalian Telomerase  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/057,351  
; FILING DATE: 08-APR-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/272,102  
; FILING DATE: 07-JUL-1994



481 AAATCTCTCTGTGAATTCATTTTAAAGTAGTCGAGGTGAACCGCGTCTGGTCTCAGA 540  
1141 AAATCTCTCTGTGAATTCATTTTAAAGTAGTCGAGGTGAACCGCGTCTGGTCTCAGA 1200  
541 GGATAGAAAAAGCCCTCTGATACCTCAAGTTAGTTTCACTTTTAAAGAGGTGCGAAG 600  
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601 TAAAGACGCAAAAGCCTTTCCCGACGCTGGCGAAGGGCAACGCTCTTCTCATGGCCGGA 660  
1261 TAAAGACGCAAAAGCCTTTCCCGACGCTGGCGAAGGGCAACGCTCTTCTCATGGCCGGA 1320  
661 ATGGAACCTTTAAATTTCCCGTTCCTCCCAACCAAGCCCGCCGAGAGTGAATCTCACGAG 720  
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721 AGCCGGGAGGTGAGTCTGGCCCAATCCGTGCGGTGCGGAGGGTGGTGGCCATTTT 780  
1381 AGCCGGGAGGTGAGTCTGGCCCAATCCGTGCGGTGCGGAGGGTGGTGGCCATTTT 1440  
781 CTGCTAACCTTAACCTGAGAGGGCGTA 867  
1441 CTGCTAACCTTAACCTGAGAGGGCGTA 1527  
841 TGCTAACCTTAACCTGAGAGGGCGTA 867  
1501 TGCTAACCTTAACCTGAGAGGGCGTA 1527

RESULT 3  
US-10-359-935-3  
; Sequence 3, Application US/10359935  
; Publication No. US20030153076A1  
; GENERAL INFORMATION:  
; APPLICANT: Villeponteau, Bryant  
; Funk, Walter  
; Andrews, William H.  
; TITLE OF INVENTION: Mammalian Telomerase  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/359,935  
; FILING DATE: 07-Feb-2003  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/057,351  
; FILING DATE: 08-APR-1994  
; APPLICATION NUMBER: US 08/272,102  
; FILING DATE: 07-JUL-1994  
; APPLICATION NUMBER: US 08/330,123  
; FILING DATE: 27-OCT-1994  
; APPLICATION NUMBER: US 08/472,802  
; FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-000821US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:  
LENGTH: 2426 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-10-359-935-3

Query Match 97.9%; Score 848.6; DB 16; Length 2426;  
Best Local Similarity 99.4%; Pred. No. 2.6e-253;  
Matches 862; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

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QY 121 AAAAAAATCGTTACAAATTTATGTTGATTAATCTCCCTCTTTTACCTCATCAAGACA 180  
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QY 301 AGGAGAAGCTGGAGAAGGCAATTTCTAAGGAAAAGGGGAGGTTGAACTCGGACGCATC 360  
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QY 361 CCACTGAGCCGAGACAAAGATTTCTGCTGTAGTCAGTGTCTGCTGGGAAATCTATTTTCA 420  
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QY 421 AGTTCTCAAAAAATGTGATGATCAAACTAGAAATAGTGTCTGTGCTTTAGGCCCTTA 480  
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QY 481 AAATCTCTCTGTGAATTCATTTTAAAGGTAGTCGAGGTGAACCGCGTCTGGTCTCAGA 540  
Db 1141 AAATCTCTCTGTGAATTCATTTTAAAGGTAGTCGAGGTGAACCGCGTCTGGTCTCAGA 1200  
QY 541 GGATAGAAAAAGCCCTCTGATACCTCAAGTTAGTTTCACTTTTAAAGAGGTTCGGAAG 600  
Db 1201 GGATAGAAAAAGCCCTCTGATACCTCAAGTTAGTTTCACTTTTAAAGAGGTTCGGAAG 1260  
QY 601 TAAAGACGCAAAAGCCTTTCCCGACGCTGGCGAAGGGCAACGCTCTTCTCATGGCCGGA 660  
Db 1261 TAAAGACGCAAAAGCCTTTCCCGACGCTGGCGAAGGGCAACGCTCTTCTCATGGCCGGA 1320  
QY 661 ATGGAACCTTTAAATTTCCCGTTCCTCCCAACCAAGCCCGCCGAGAGTGAATCTCACGAG 720  
Db 1321 ATGGAACCTTTAAATTTCCCGTTCCTCCCAACCAAGCCCGCCGAGAGTGAATCTCACGAG 1380  
QY 721 AGCCGAGATCAGCCCACTAGACTCCATCCAGCCTGGGCGAAGAGCAAGACTCCGCTCA 780  
Db 1381 AGCCGAGATCAGCCCACTAGACTCCATCCAGCCTGGGCGAAGAGCAAGACTCCGCTCA 1440  
QY 781 CTCGCCCGGACGAGGTGAGTCTGGCCCAATCCGTGCGGTGCGGAGGGTGGTGGCCATTTT 840  
Db 1441 CTCGCCCGGACGAGGTGAGTCTGGCCCAATCCGTGCGGTGCGGAGGGTGGTGGCCATTTT 1500  
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Db 1501 TGCTAACCTTAACCTGAGAGGGCGTA 1527

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RESULT 4
US-09-895-606-5
; Sequence 5, Application US/09895606
; Publication No. US20030207404A1
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
;           Feng, Junli
;           Andrews, William H.
;           Adams, Robert R.
; TITLE OF INVENTION: Methods and Reagents for Regulating
;           Telomere Length and Telomerase Activity
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/895,606
; FILING DATE: 29-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/710,249
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 60/003,492
; FILING DATE: 08-SEP-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-001220US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 981 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc RNA
; LOCATION: 267..715
; OTHER INFORMATION: /product= "hTR"
; /note= "hTR transcript serves as
; template in the telomerase
; ribonucleoprotein"
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-895-606-5
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Best Local Similarity 99.7%; Pred. No. 1.1e-92;
Matches 333; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 534 CTGCAGAGATAGAAAAAGCCCTCTCATACCTCAAGTTAGTTTACCTTTAAAGAGG 593
Db 1 CTGCAGAGATAGAAAAAGNCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAGG 60

Qy 594 TCGGAAGTAAAGACGCAAAAGCTTTCCCGACGTGCGGAAGGCAACGCTTCTCATG 653
Db 61 TCGGAAGTAAAGACGCAAAAGCTTTCCCGACGTGCGGAAGGCAACGCTTCTCATG 120

Qy 654 GCCGGAATGGAACCTTTAATTTCCGGTTCCTCCCAACCAAGCCGCGGAGAGTGACTC 713
Db 121 GCCGGAATGGAACCTTTAATTTCCGGTTCCTCCCAACCAAGCCGCGGAGAGTGACTC 180

us-09-601-267-36.rnpb
Query Match 18.8%; Score 163; DB 17; Length 545;
Best Local Similarity 100.0%; Pred. No. 8.1e-40;
Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 181 TCACGAGAGCCGCGAGAGTCAGCTTGGCCCAATCCGTGCGGTTCGCGCGCCGCTCCCTTTAT 240

Qy 774 AAGCCGACTCGCCGCGAGCGCACCGGGTTGCGGAGGGTGGCCCTGGGAGGGGTGGTGGC 833
Db 241 AAGCCGACTCGCCGCGAGCGCACCGGGTTGCGGAGGGTGGCCCTGGGAGGGGTGGTGGC 300

Qy 834 CATTTTGTCTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTA 867
Db 301 CATTTTGTCTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTA 334

RESULT 5
US-10-388-360-384
; Sequence 384, Application US/10388360
; Publication No. US20030225528A1
; GENERAL INFORMATION:
; APPLICANT: GENOMIC HEALTH
; APPLICANT: Baker, Joffre B.
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Kiefer, Michael C.
; APPLICANT: Shak, Steve
; APPLICANT: Walker, Michael Graham
; TITLE OF INVENTION: GENE EXPRESSION PROFILING IN BIOPSIED TUMOR TISSUES
; FILE REFERENCE: 39740-0001US
; CURRENT APPLICATION NUMBER: US/10/388,360
; CURRENT FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 60/412,049
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: US 60/364,890
; PRIOR FILING DATE: 2002-03-13
; NUMBER OF SEQ ID NOS: 384
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 384
; LENGTH: 545
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-388-360-384
Query Match 18.8%; Score 163; DB 17; Length 545;
Best Local Similarity 100.0%; Pred. No. 8.1e-40;
Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 765 TCCCTTTTATAAGCCGACTCGCCCGCAGCGCACCGGGTTGCGGAGGGTGGGCGCTGGGAGG 824
Db 61 TCCCTTTTATAAGCCGACTCGCCCGCAGCGCACCGGGTTGCGGAGGGTGGGCGCTGGGAGG 120

Qy 825 GGTGGTGGCCATTTTGTCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTA 867
Db 121 GGTGGTGGCCATTTTGTCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTA 163

RESULT 6
US-10-831-266-2
; Sequence 2, Application US/10831266
; Publication No. US20050003404A1
; GENERAL INFORMATION:
; APPLICANT: Rowley, Peter T.
; TITLE OF INVENTION: TELOMERASE INTERFERENCE
; FILE REFERENCE: A-71506-1/RFT/THR
; CURRENT APPLICATION NUMBER: US/10/831,266
; CURRENT FILING DATE: 2004-04-22
; PRIOR APPLICATION NUMBER: PCT/US 02/33065
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US 60/345,326
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/359,196
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; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/383,195
; PRIOR FILING DATE: 2002-05-22
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 545
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-831-266-2

Query Match      18.8%; Score 163; DB 21; Length 545;
Best Local Similarity 100.0%; Pred. No. 8.1e-40;
Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 705 GAGTACTCTCAGAGAGCGCGAGAGTCACTTGGCCAAATCGTGGGTGGCGCGCGC 764
Db 1 GAGTACTCTCAGAGAGCGCGAGAGTCACTTGGCCAAATCGTGGGTGGCGCGCGC 60
QY 765 TCCTTTATAAGCCGACTCCCGCGAGCGCACCGGGTTGCGAGAGGTGGCCCTGGGAGG 824
Db 61 TCCTTTATAAGCCGACTCCCGCGAGCGCACCGGGTTGCGAGAGGTGGCCCTGGGAGG 120
QY 825 GGTGGTGGCCATTTTGTCTAACCCCTAACTGAGAGGGCGTA 867
Db 121 GGTGGTGGCCATTTTGTCTAACCCCTAACTGAGAGGGCGTA 163

RESULT 7
US-10-831-267-2
; Sequence 2, Application US/10831267
; Publication No. US20050009177A1
; GENERAL INFORMATION:
; APPLICANT: Rowley, Peter T.
; TITLE OF INVENTION: TELOMERASE INTERFERENCE
; FILE REFERENCE: A-71506-2/REF/THR
; CURRENT APPLICATION NUMBER: US/10/831,267
; PRIOR FILING DATE: 2004-04-22
; PRIOR APPLICATION NUMBER: PCT/US 02/33146
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US 60/345,326
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/359,196
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/383,195
; PRIOR FILING DATE: 2002-05-22
; NUMBER OF SEQ ID NOS: 23
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; SEQ ID NO 2
; LENGTH: 545
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-831-267-2

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Best Local Similarity 100.0%; Pred. No. 8.1e-40;
Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 705 GAGTACTCTCAGAGAGCGCGAGAGTCACTTGGCCAAATCGTGGGTGGCGCGCGC 764
Db 1 GAGTACTCTCAGAGAGCGCGAGAGTCACTTGGCCAAATCGTGGGTGGCGCGCGC 60
QY 765 TCCTTTATAAGCCGACTCCCGCGAGCGCACCGGGTTGCGAGAGGTGGCCCTGGGAGG 824
Db 61 TCCTTTATAAGCCGACTCCCGCGAGCGCACCGGGTTGCGAGAGGTGGCCCTGGGAGG 120
QY 825 GGTGGTGGCCATTTTGTCTAACCCCTAACTGAGAGGGCGTA 867
Db 121 GGTGGTGGCCATTTTGTCTAACCCCTAACTGAGAGGGCGTA 163

RESULT 8
US-09-903-582-3

; Sequence 3, Application US/09903582
; Publication No. US20050075283A1
; GENERAL INFORMATION:
; APPLICANT: HU, Song et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001274
; CURRENT APPLICATION NUMBER: US/09/903,582
; CURRENT FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 340449
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(340449)
; OTHER INFORMATION: n = A,T,C or G
US-09-903-582-3

Query Match      12.8%; Score 110.8; DB 11; Length 340449;
Best Local Similarity 90.8%; Pred. No. 5.1e-22;
Matches 118; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGCTACTCAGGAGGCTGAGACACGAGATCGCTTGAACCCGGGAGGACAGAGTTGCAGTG 60
Db 249884 AGCTACTCAGGAGGCTGAGACACGAGATCGCTTGAACCCGGGAGGACAGAGTTGCAGTG 249943
QY 61 AGCCGAGATCAGCCCACTAGACTCCATCCAGCCTGGGCGGAAAGAGCAAGACTCCGCTCA 120
Db 249944 AACTGAGATCGGCCACTGCTCCATCCAGCCTGGGCGGACAGAGTGAGACTCCGCTCA 250003
QY 121 AAAAAAAAAA 130
Db 250004 AAAAAAAAAA 250013

RESULT 9
US-10-161-510-1/c
; Sequence 1, Application US/10161510
; Publication No. US20020192695A1
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: PIBS AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-074C
; CURRENT APPLICATION NUMBER: US/10/161,510
; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: US 60/296,076
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 133893
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-161-510-1

Query Match      12.6%; Score 109.2; DB 13; Length 133893;
Best Local Similarity 90.0%; Pred. No. 9.7e-22;
Matches 117; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1 AGCTACTCAGGAGGCTGAGACACGAGATCGCTTGAACCCGGGAGGACAGAGTTGCAGTG 60
Db 63711 AGCTACTCAGGAGGCTGAGACACGAGATCGCTTGAACCCGGGAGGACAGAGTTGCAGTG 63652
QY 61 AGCCGAGATCAGCCCACTAGACTCCATCCAGCCTGGGCGGAAAGAGCAAGACTCCGCTCA 120
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Db 63651 AGCCGAGATACGCCACTGCCTCCTCCAGCTGGGTGACAGAGCGAGACTCGGTCTCA 63592

Qy 121 AAAAAAAAAA 130  
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Db 63591 AAAAAAAAAA 63582

## RESULT 10

US-10-741-601-25989/c  
; Sequence 25989, Application US/10741601  
; Publication No. US20040166519A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001500  
; CURRENT APPLICATION NUMBER: US/10/741.601  
; CURRENT FILING DATE: 2003-12-22  
; NUMBER OF SEQ ID NOS: 26415  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 25989  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-741-601-25989

Query Match 12.5%; Score 108.8; DB 19; Length 201;  
Best Local Similarity 89.2%; Pred. No. 3.8e-23;  
Matches 116; Conservative 1; Mismatches 13; Indels 0; Gaps 0;

Qy 1 AGCTACTCAGGAGCTGAGACACGAGATCGTTGAACCCGGGAGCGAGAGTTGCGAGTG 60  
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Db 132 AGCTACTCGGAGGCTGAGCGAGGAGATGSGTGAACCCGGGAGCGAGTTGCGAGTG 73  
|||||

Qy 61 AGCCGAGATACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120  
|||||

Db 72 AGCCGAGATACGCCACTGCACTCCATCCAGCATGGGTGACAGAGCGAGACTCCGTCTCA 13  
|||||

Qy 121 AAAAAAAAAA 130  
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Db 12 AAAAAAAAAA 3

## RESULT 11

US-10-741-601-5777/c  
; Sequence 5777, Application US/10741601  
; Publication No. US20040166519A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001500  
; CURRENT APPLICATION NUMBER: US/10/741.601  
; CURRENT FILING DATE: 2003-12-22  
; NUMBER OF SEQ ID NOS: 26415  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5777  
; LENGTH: 27240  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-741-601-5777

Query Match 12.5%; Score 108.8; DB 19; Length 27240;  
Best Local Similarity 89.2%; Pred. No. 5.5e-22;  
Matches 116; Conservative 1; Mismatches 13; Indels 0; Gaps 0;

Qy 1 AGCTACTCAGGAGCTGAGACACGAGATCGTTGAACCCGGGAGCGAGAGTTGCGAGTG 60  
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Db 11618 AGCTACTCGGAGGCTGAGCGAGGAGATGSGTGAACCCGGGAGCGAGTTGCGAGTG 11559  
|||||

Qy 61 AGCCGAGATACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120  
|||||

Db 11558 AGCCGAGATACGCCACTGCACTCCATCCAGCATGGGTGACAGAGCGAGACTCCGTCTCA 11499  
|||||

Qy 121 AAAAAAAAAA 130  
|||||

Db 11498 AAAAAAAAAA 11489

## RESULT 12

US-10-936-273-30/c  
; Sequence 30, Application US/10936273  
; Publication No. US20050074801A1  
; GENERAL INFORMATION:  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Butler, Madeline M.  
; APPLICANT: McKay, Robert  
; APPLICANT: Baker, Brenda F.  
; TITLE OF INVENTION: CHIMERIC OLIGOMERIC COMPOUNDS COMPRISING ALTERNATING REGIONS OF  
; TITLE OF INVENTION: AND SOUTHERN CONFORMATIONAL GEOMETRY  
; FILE REFERENCE: IS10104-100 (CORE0026US)  
; CURRENT APPLICATION NUMBER: US/10/936.273  
; CURRENT FILING DATE: 2004-09-08  
; NUMBER OF SEQ ID NOS: 221  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 30  
; LENGTH: 76698  
; TYPE: DNA  
; ORGANISM: H. sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 15311-15410  
; OTHER INFORMATION: n = A,T,C or G  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 15414  
; OTHER INFORMATION: n = A,T,C or G  
US-10-936-273-30

Query Match 12.5%; Score 108.6; DB 21; Length 76698;  
Best Local Similarity 81.3%; Pred. No. 1.1e-21;  
Matches 126; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

Qy 1 AGCTACTCAGGAGCTGAGACACGAGATCGTTGAACCCGGGAGCGAGAGTTGCGAGTG 60  
|||||

Db 15588 AGCTACTCAGGAGCTGAGCGAGGAGATGGCATGAACCCAGGAGGGGAGCTTGCAGTG 15529  
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Qy 61 AGCCGAGATACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120  
|||||

Db 15528 AGCCGAGATATGCCACTGCACTCCAACCGCCTGGGCGACAGAGACTCTGTCTCA 15469  
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Qy 121 AAAAAAAAAAATCGTTACAATTTATGGTGGATTACT 155  
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Db 15468 AAAAAAAAAAAAAAAAAAAAAAGGCGAGGCTTAAGT 15434  
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## RESULT 13

US-10-948-947A-1/c  
; Sequence 1, Application US/10948947A  
; Publication No. US20050130924A1  
; GENERAL INFORMATION:  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Freier, Susan M.  
; APPLICANT: Manoharan, Muthiah  
; APPLICANT: Gaarde, William A.  
; APPLICANT: Griffey, Richard H.  
; APPLICANT: Swayze, Eric E.  
; APPLICANT: Bennett, C. Frank  
; TITLE OF INVENTION: ANTISENSE INHIBITION VIA RNASE H-INDEPENDENT REDUCTION IN mRNA  
; FILE REFERENCE: ISPH-0871  
; CURRENT APPLICATION NUMBER: US/10/948.947A  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: 60/392,020  
; PRIOR FILING DATE: 2002-06-26  
; PRIOR APPLICATION NUMBER: 10/461,163  
; PRIOR FILING DATE: 2003-06-13

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; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 76698
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; OTHER INFORMATION: antisense oligonucleotide
; NAME/KEY: misc feature
; LOCATION: 15311-15410
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 15414
; OTHER INFORMATION: n = A,T,C or G
US-10-948-947A-1

Query Match      12.5%; Score 108.6; DB 22; Length 76698;
Best Local Similarity 81.3%; Pred. No. 1.1e-21;
Matches 126; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

QY 1 AGCTACTCAGGAGGCTGAGACGAGAAATCGTTGAACCCGGGAGGCGAGAGGTTGCGAGTG 60
Db 15588 AGCTACTCAGGAGGCTGAGGAGGAGAAATGCGATGAACCCAGGAGCGGAGGTTGCGAGTG 15529

QY 61 AGCCGAGATCAGCCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTTCTCA 120
Db 15528 AGCCGAGATCATGCCACTGCACTCCCAACAGCCTGGGCGACAGAGCGGAGACTCTGTCTCA 15469

QY 121 AAAAAAATCGTTACATTTATGTTGATTAAT 155
Db 15468 AAAAAAATCGTTACATTTATGTTGATTAAT 15434

RESULT 14
US-10-085-117-148/c
; Sequence 148, Application US/10085117
; Publication No. US2003023334A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000121
; CURRENT APPLICATION NUMBER: US/10/085,117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 148
; LENGTH: 52899
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variation
; LOCATION: (1)...(52899)
; OTHER INFORMATION: n = any nucleotide
US-10-085-117-148

Query Match      12.4%; Score 107.6; DB 17; Length 52899;
Best Local Similarity 89.2%; Pred. No. 1.9e-21;
Matches 116; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 AGCTACTCAGGAGGCTGAGACGAGAAATCGTTGAACCCGGGAGGCGAGAGGTTGCGAGTG 60
Db 49315 AGCTACTCAGGAGGCTGAGGAGGAGAAATGGCTTGAACCCGGGAGGCGGAGGTTGCGAGTG 49256

QY 61 AGCCGAGATCAGCCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTTCTCA 120
Db 49255 AGCCGAGATCAGCCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTTCTCA 49196

QY 121 AAAAAAATA 130
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|||||
Db 49195 AAAAAAATA 49186

RESULT 15
US-10-104-047-453/c
; Sequence 453, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 453
; LENGTH: 2275
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-104-047-453

Query Match      12.2%; Score 106.2; DB 17; Length 2275;
Best Local Similarity 83.9%; Pred. No. 9.1e-22;
Matches 120; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 1 AGCTACTCAGGAGGCTGAGACGAGAAATCGTTGAACCCGGGAGGCGAGAGGTTGCGAGTG 60
Db 1535 AGCTACTCAGGAGGCTGAGGAGGAGAAATGGTGAACCCAGGAGGCGAGAGGTTGCGAGTG 1476

QY 61 AGCCGAGATCAGCCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTTCTCA 120
Db 1475 AGCCGAGATCGTGCCACTGCACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTTCTCA 1416

QY 121 AAAAAAATACTGTACATTTA 143
Db 1415 AATAAATAATAATAATAATAATA 1393

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

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Title: US-09-601-267-36

Perfect score: 867

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Scoring table: IDENTITY NUC

Gapop 10\_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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6: /cgn2\_6/prodata1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	848.6	97.9	2420	1	US-08-330-123A-3
2	848.6	97.9	2420	3	US-09-580-517-3
3	848.6	97.9	2426	1	US-08-482-115B-3
4	848.6	97.9	2426	2	US-08-660-678A-3
5	848.6	97.9	2426	2	US-08-472-802C-4
6	848.6	97.9	2426	2	US-08-714-482-1
7	848.6	97.9	2426	3	US-08-998-443-3
8	848.6	97.9	2426	3	US-09-060-523-3
9	848.6	97.9	2426	4	US-09-057-351-3
10	834.6	96.3	2425	2	US-08-485-778-1
11	834.6	96.3	2425	3	US-08-520-550A-1
12	334	38.5	981	2	US-08-714-482-2
13	333	38.4	981	2	US-09-710-249-5
14	333	38.4	981	2	US-09-220-157A-5
15	332.4	38.3	981	2	US-08-770-565-1
16	332.4	38.3	981	2	US-08-833-377-1
17	332.4	38.3	981	2	US-08-838-545-22
18	332.4	38.3	981	3	US-09-349-532-22
19	110.8	12.8	601	4	US-09-949-016-73377
20	110.8	12.8	174029	4	US-09-949-016-12610
21	110.8	12.8	174030	4	US-09-949-016-13880
22	109.4	12.6	601	4	US-09-949-016-13880
23	109.4	12.6	670689	4	US-09-949-016-12505
24	109.4	12.6	670690	4	US-09-949-016-12505
25	109	12.6	601	4	US-09-949-016-14207
26	108	12.5	601	4	US-09-949-016-87489
27	107.6	12.4	601	4	US-09-949-016-87487
28					Sequence 204713,

28	107.6	12.4	50530	4	US-09-949-016-12163	Sequence 12163, A
29	107.6	12.4	50536	4	US-09-949-016-17526	Sequence 17526, A
30	107	12.3	134140	4	US-09-949-016-12672	Sequence 12672, A
31	107	12.3	134241	4	US-09-949-016-12424	Sequence 12424, A
32	107	12.3	134242	4	US-09-949-016-15813	Sequence 15813, A
33	107	12.3	134242	4	US-09-949-016-15814	Sequence 15814, A
34	107	12.3	134242	4	US-09-949-016-15815	Sequence 15815, A
35	106	12.2	601	4	US-09-949-016-143018	Sequence 143018, A
36	106	12.2	601	4	US-09-949-016-143019	Sequence 143019, A
37	106	12.2	19601	4	US-09-949-016-15629	Sequence 15629, A
38	106	12.2	265038	4	US-09-949-016-15779	Sequence 15779, A
39	105	12.1	601	4	US-09-949-016-55951	Sequence 55951, A
40	105	12.1	601	4	US-09-949-016-55952	Sequence 55952, A
41	105	12.1	601	4	US-09-949-016-55953	Sequence 55953, A
42	105	12.1	25111	4	US-09-949-016-12435	Sequence 12435, A
43	105	12.1	25111	4	US-09-949-016-13944	Sequence 13944, A
44	105	12.1	53442	4	US-09-949-016-11921	Sequence 11921, A
45	105	12.1	53453	4	US-09-949-016-13370	Sequence 13370, A

## ALIGNMENTS

RESULT 1  
US-08-330-123A-3  
; Sequence 3, Application US/08330123A  
; Patent No. 5583016  
; GENERAL INFORMATION:  
; APPLICANT: VILLEPONTEAU, Bryant  
; APPLICANT: FENG, Junli  
; APPLICANT: FUNK, Walter  
; APPLICANT: ANDREWS, William H.  
; TITLE OF INVENTION: HUMAN TELOMERASE  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Khourie and Crew  
; STREET: 379 Lytton Avenue  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: US  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/330,123A  
; FILING DATE: 27-OCT-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/272,102  
; FILING DATE: 07-JUL-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith, William M  
; REGISTRATION NUMBER: 30,223  
; REFERENCE/DOCKET NUMBER: 15389-000810  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2420 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; US-08-330-123A-3

Query Match 97.9%; Score 848.6; DB 1; Length 2420;  
Best Local Similarity 99.4%; Pred. No. 1.6e-274;  
Matches 862; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

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Qy 1 AGCTACTCAGGAGCTGAGACACGAGAAATCGTTGAACCCGGGAGGAGAGGTTGCAAGT 60
Db 662 AGCTACTCAGGAGCTGAGACACGAGAAATCGTTGAACCCGGGAGGAGAGGTTGCAAGT 720
Qy 61 AGCCGAGATCAGCCACTAGACTCAATCCAGCTGGGCGAAAGAGCAAGACTCCGCTCTCA 120
Db 721 AGCCGAGATCAGCCACTAGACTCAATCCAGCTGGGCGAAAGAGCAAGACTCCGCTCTCA 780
Qy 121 AAAAAAATCGTTACAAATTTATGTTGGATTACTCCCTCTTTTACCTCATCAAGACA 180
Db 781 AAAAAAATCGTTACAAATTTATGTTGGATTACTCCCTCTTTTACCTCATCAAGACA 840
Qy 181 CAGCACTACTTTAAAGCAAGTCAATGATTGAACGCTTCTTCTCTAAATAAAGGAG 240
Db 841 CAGCACTACTTTAAAGCAAGTCAATGATTGAACGCTTCTTCTCTAAATAAAGGAG 900
Qy 241 ATTCACTCTTAAGATTAATGATGATGATGATGATGATGATGATGATGATGATGAT 300
Db 901 ATTCACTCTTAAGATTAATGATGATGATGATGATGATGATGATGATGATGATGAT 960
Qy 301 AGGAGAGCTGGAGAGGCAATTTCTAAGCAAGGCGGCTTCTTCTCTAAATAAAGGAG 360
Db 961 AGGAGAGCTGGAGAGGCAATTTCTAAGCAAGGCGGCTTCTTCTCTAAATAAAGGAG 1020
Qy 361 CCAGTGGAGCCGAGACAGATTTCTGCTGATGATGATGATGATGATGATGATGATGAT 420
Db 1021 CCAGTGGAGCCGAGACAGATTTCTGCTGATGATGATGATGATGATGATGATGATGAT 1080
Qy 421 AGTTCTCAAAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480
Db 1081 AGTTCTCAAAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
Qy 481 AAATCTCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 540
Db 1141 AAATCTCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1200
Qy 541 GGATAGAAAAAGGCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAGGTCGGAAG 600
Db 1201 GGATAGAAAAAGGCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAGGTCGGAAG 1260
Qy 601 TAAAGAGCAAGGCTTTCCGCGAGCTGCGGAGGCGCAAGCGTCTTCTCAATGCGCGGAA 660
Db 1261 TAAAGAGCAAGGCTTTCCGCGAGCTGCGGAGGCGCAAGCGTCTTCTCAATGCGCGGAA 1320
Qy 661 ATGGAATTTAAATTTCCGCTTCCCGCAAGGCGGCGGCGGCGGCGGCGGCGGCGG 720
Db 1321 ATGGAATTTAAATTTCCGCTTCCCGCAAGGCGGCGGCGGCGGCGGCGGCGGCGG 1380
Qy 721 AGCCGCGAGAGTCAAGCTTGGCAATCCGTCGCGGTCGCGGCGGCTCCCTTTTAAAGCGGA 780
Db 1381 AGCCGCGAGAGTCAAGCTTGGCAATCCGTCGCGGTCGCGGCGGCTCCCTTTTAAAGCGGA 1440
Qy 781 CTCGCGCGGAGAGGAGCGGCTTGGAGAGGTCGCGGCTTGGAGAGGTCGCGGCAATTTT 840
Db 1441 CTCGCGCGGAGAGGAGCGGCTTGGAGAGGTCGCGGCTTGGAGAGGTCGCGGCAATTTT 1500
Qy 841 TGTCTAACCTTAAGTGAAGGCGGTA 867
Db 1501 TGTCTAACCTTAAGTGAAGGCGGTA 1527
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RESULT 2

US-09-580-517-3  
; Sequence 3, Application US/09580517  
; Patent No. 6320039  
; GENERAL INFORMATION:  
; APPLICANT: VILLEPONTTEAU, Bryant  
; FENG, Junli  
; FUNK, Walter  
; ANDREWS, William H.  
; TITLE OF INVENTION: HUMAN TELOMERASE  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend Khourie and Crew  
STREET: 379 Lytton Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: US  
ZIP: 94301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/580,517  
FILING DATE: 25-May-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/330,123  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 15389-000810  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400  
TELEFAX: (415) 326-2422  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2420 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-580-517-3

Query Match 97.9%; Score 848.6; DB 3; Length 2420;  
Best Local Similarity 99.4%; Pred. No. 1.6e-274;  
Matches 862; Conservative 0; Mismatches 4; Indels 1; Gaps 1;  
Qy 1 AGCTACTCAGGAGCTGAGACACGAGAAATCGTTGAACCCGGGAGGAGAGGTTGCAAGT 60  
Db 662 AGCTACTCAGGAGCTGAGACACGAGAAATCGTTGAACCCGGGAGGAGAGGTTGCAAGT 720  
Qy 61 AGCCGAGATCAGCCACTAGACTCAATCCAGCTGGGCGAAAGAGCAAGACTCCGCTCTCA 120  
Db 721 AGCCGAGATCAGCCACTAGACTCAATCCAGCTGGGCGAAAGAGCAAGACTCCGCTCTCA 780  
Qy 121 AAAAAAATCGTTACAAATTTATGTTGGATTACTCCCTCTTTTACCTCATCAAGACA 180  
Db 781 AAAAAAATCGTTACAAATTTATGTTGGATTACTCCCTCTTTTACCTCATCAAGACA 840  
Qy 181 CAGCACTACTTTAAAGCAAGTCAATGATTGAACGCTTCTTCTCTAAATAAAGGAG 240  
Db 841 CAGCACTACTTTAAAGCAAGTCAATGATTGAACGCTTCTTCTCTAAATAAAGGAG 900  
Qy 241 ATTCACTCTTAAGATTAATGATGATGATGATGATGATGATGATGATGATGATGAT 300  
Db 901 ATTCACTCTTAAGATTAATGATGATGATGATGATGATGATGATGATGATGATGAT 960  
Qy 301 AGGAGAGCTGGAGAGGCAATTTCTAAGCAAGGCGGCTTCTTCTCTAAATAAAGGAG 360  
Db 961 AGGAGAGCTGGAGAGGCAATTTCTAAGCAAGGCGGCTTCTTCTCTAAATAAAGGAG 1020  
Qy 361 CCAGTGGAGCCGAGACAGATTTCTGCTGATGATGATGATGATGATGATGATGATGAT 420  
Db 1021 CCAGTGGAGCCGAGACAGATTTCTGCTGATGATGATGATGATGATGATGATGATGAT 1080  
Qy 421 AGTTCTCAAAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480  
Db 1081 AGTTCTCAAAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140  
Qy 481 AAATCTCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 540  
Db 1141 AAATCTCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1200

Db 1141 AAATCTCTCTGTGAATTCACATTTTAAAGGTAGTCGAGGTGAACCGCGTCTGTGTCGAGA 1200  
Qy 541 GGATAGAAAAAGCCCTCTGTACACCTCAAGTTAGTTTCACTTTTAAAGAAAGTTCGGAAG 600  
Db 1201 GGATAGAAAAAGCCCTCTGTACACCTCAAGTTAGTTTCACTTTTAAAGAAAGTTCGGAAG 1260  
Qy 601 TAAAGACGAAGCCCTTTCCGACAGCTGCGGAAGGCAAGCTTCTTCCATGCGCCGGA 660  
Db 1261 TAAAGACGAAGCCCTTTCCGACAGCTGCGGAAGGCAAGCTTCTTCCATGCGCCGGA 1320  
Qy 661 ATGGAACCTTTAATTTCCCGTTCCCGCAACCGCCGCGGAGAGTCACTCTCACGAG 720  
Db 1321 ATGGAACCTTTAATTTCCCGTTCCCGCAACCGCCGCGGAGAGTCACTCTCACGAG 1380  
Qy 721 AGCCGCGAGAGTCAGCTTGGCCCAATCCGTGCGGCGCGCGCTCCCTTTTATAAGCCGA 780  
Db 1381 AGCCGCGAGAGTCAGCTTGGCCCAATCCGTGCGGCGCGCGCTCCCTTTTATAAGCCGA 1440  
Qy 781 CTCGCCGCGAGCGCACCGGGTTGCGGAGGTTGGGCTGCGGAGGGGTGGTGGCCATTTT 840  
Db 1441 CTCGCCGCGAGCGCACCGGGTTGCGGAGGTTGGGCTGCGGAGGGGTGGTGGCCATTTT 1500  
Qy 841 TGTCTAACCTTAACCTAGAGGGCGTA 867  
Db 1501 TGTCTAACCTTAACCTAGAGGGCGTA 1527

## RESULT 3

US-08-482-115B-3  
; Sequence 3, Application US/08482115B  
; Patent No. 5776679  
; GENERAL INFORMATION:  
; APPLICANT: Villeponteau, Bryant  
; APPLICANT: Feng, Junli  
; APPLICANT: Funk, Walter  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: Assays for the RNA Component of Human  
; TITLE OF INVENTION: Telomerase  
; NUMBER OF SEQUENCES: 40  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM: disk  
; MEDIUM TYPE: Floppy  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/482,115B  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/272,102  
; FILING DATE: 07-JUL-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/330,123  
; FILING DATE: 27-OCT-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-000830US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2426 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single

## RESULT 4

US-08-660-678A-3  
; Sequence 3, Application US/08660678A  
; Patent No. 5837857

; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; US-08-482-115B-3  
Query Match 97.9%; Score 848.6; DB 1; Length 2426;  
Best Local Similarity 99.4%; Pred. No. 1.6e-274;  
Matches 862; Conservative 0; Mismatches 4; Indels 1; Gaps 1;  
Qy 1 AGCTACTCAGGAGGCTGAGACACGAGATCGCTTGAACCCGGGAGGACGAGGTTCAGTG 60  
Db 662 ACCTACTCAGGAGGCTGAGACACGAGATCGCTTGAACCCGGGA-GCAGAGGTTCAGTG 720  
Qy 61 AGCCGAGATCAGCCACATAGACTCCATCAGCTGCGGCGAAAGAGCAAGATCCCTCTCA 120  
Db 721 AGCCGAGATCAGCCACATAGACTCCATCAGCTGCGGCGAAAGAGCAAGATCCCTCTCA 780  
Qy 121 AAAAAAATCGTTTACAAATTTATGTTGATTTACTCCCTCTCTTTTACCTCATCAAGACA 180  
Db 781 AAAAAAATCGTTTACAAATTTATGTTGATTTACTCCCTCTCTTTTACCTCATCAAGACA 840  
Qy 181 CAGCACTACTTTAAAGCAAAAGTCAATGATTGAAAAGCCCTTTCTTTCTTAATAAAGGGAG 240  
Db 841 CAGCACTACTTTAAAGCAAAAGTCAATGATTGAAAAGCCCTTTCTTTCTTAATAAAGGGAG 900  
Qy 241 ATTCACTCTTAAGATTAATAATGTTAGTTTACACTTGAATTAAGCCCATCTCTCTCA 300  
Db 901 ATTCACTCTTAAGATTAATAATGTTAGTTTACACTTGAATTAAGCCCATCTCTCTCA 960  
Qy 301 AGGAGAGCTGAGAGGCAATTTCTAAGGAAAAGGGGAGGCTTGAACCTCGGACGCATC 360  
Db 961 AGGAGAGCTGAGAGGCAATTTCTAAGGAAAAGGGGAGGCTTGAACCTCGGACGCATC 1020  
Qy 361 CCACTGAGCGGAGACAAAGATTTCTGTAGTCAGTGTCTGCTGGGAATCTATTTTCAACA 420  
Db 1021 CCACTGAGCGGAGACAAAGATTTCTGTAGTCAGTGTCTGCTGGGAATCTATTTTCAACA 1080  
Qy 421 AGTTCTCCAAAAATGTGATGATCAAACTAGAAATAGTGTCTGTGTCTTAGGCCCTA 480  
Db 1081 AGTTCTCCAAAAATGTGATGATCAAACTAGAAATAGTGTCTGTGTCTTAGGCCCTA 1140  
Qy 481 AAATCTTCTGTGAATTCATTTTAAAGTACTGAGGTGAACCGCGTCTGCTCTCAGA 540  
Db 1141 AAATCTTCTGTGAATTTCCATTTTAAAGGTAGTCGAGGTGAACCGCGTCTGCTCTCAGA 1200  
Qy 541 GGATAGAAAAAGCCCTCTGTATACCTCAAGTTAGTTTCACTTTTAAAGAAAGTTCGGAAG 600  
Db 1201 GGATAGAAAAAGCCCTCTGTATACCTCAAGTTAGTTTCACTTTTAAAGAAAGTTCGGAAG 1260  
Qy 601 TAAAGACGAAGCCCTTTCCGACAGCTGCGGAAGGCAAGCTTCTTCCATGCGCCGGA 660  
Db 1261 TAAAGACGAAGCCCTTTCCGACAGCTGCGGAAGGCAAGCTTCTTCCATGCGCCGGA 1320  
Qy 661 ATGGAACCTTTAATTTCCCGTTCCCGCAACCGCCGCGGAGAGTCACTCTCACGAG 720  
Db 1321 ATGGAACCTTTAATTTCCCGTTCCCGCAACCGCCGCGGAGAGTCACTCTCACGAG 1380  
Qy 721 AGCCGCGAGAGTCAGCTTGGCCCAATCCGTGCGGCGCGCGCTCCCTTTTATAAGCCGA 780  
Db 1381 AGCCGCGAGAGTCAGCTTGGCCCAATCCGTGCGGCGCGCGCTCCCTTTTATAAGCCGA 1440  
Qy 781 CTCGCCGCGAGCGCACCGGGTTGCGGAGGTTGGGCTGCGGAGGGGTGGTGGCCATTTT 840  
Db 1441 CTCGCCGCGAGCGCACCGGGTTGCGGAGGTTGGGCTGCGGAGGGGTGGTGGCCATTTT 1500  
Qy 841 TGTCTAACCTTAACCTAGAGGGCGTA 867  
Db 1501 TGTCTAACCTTAACCTAGAGGGCGTA 1527

GENERAL INFORMATION:  
APPLICANT: Villeponteau, Bryant  
APPLICANT: Feng, Junli  
APPLICANT: Funk, Walter  
TITLE OF INVENTION: Mammalian Telomerase  
NUMBER OF SEQUENCES: 30  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/660,678A  
FILING DATE: 05-JUN-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/330,123  
FILING DATE: 27-OCT-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/272,102  
FILING DATE: 07-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-000811US  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2426 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-660-678A-3

Query Match 97.9%; Score 848.6; DB 2; Length 2426;  
Best Local Similarity 99.4%; Pred. No. 1.6e-274;  
Matches 862; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

QY 1 AGCTACTCAGGAGGCTGAGACACGAGATCGCTTGAACCCGGGAGGAGAGGTTGCGAGTG 60  
DB 662 AGCTACTCAGGAGGCTGAGACACGAGATCGCTTGAACCCGGGAGGAGAGGTTGCGAGTG 720

QY 61 AGCCGAGATACGCCACTAGACTCCATCCAGCCCTGGGGGAAAGAGAGAGTCCGCTCTCA 120  
DB 721 AGCCGAGATACGCCACTAGACTCCATCCAGCCCTGGGGGAAAGAGAGAGTCCGCTCTCA 780

QY 121 AAAAAAAAAAATCGTTACAAATTTAGTGATTTACTCCCTCTTTTACTCTCATCAAGACA 180  
DB 781 AAAAAAAAAAATCGTTACAAATTTAGTGATTTACTCCCTCTTTTACTCTCATCAAGACA 840

QY 181 CAGCACTACTTTAAAGCAAGTCAATGATTAAGTAAAGCCCTTTCTTTCTTAATAAAGGGAG 240  
DB 841 CAGCACTACTTTAAAGCAAGTCAATGATTAAGTAAAGCCCTTTCTTTCTTAATAAAGGGAG 900

QY 241 ATTGAGTCTTAAGATTAATTAATGATTAAGTAAAGCCCTTTCTTTCTTAATAAAGGGAG 300  
DB 901 ATTGAGTCTTAAGATTAATTAATGATTAAGTAAAGCCCTTTCTTTCTTAATAAAGGGAG 960

QY 301 AGGAGAGCTGGAGAGGCTTTCTTAAGGAAAGGGGAGGTTGGAAGTTCGGAGCGATC 360  
DB 961 AGGAGAGCTGGAGAGGCTTTCTTAAGGAAAGGGGAGGTTGGAAGTTCGGAGCGATC 1020

361 CCATGAGCGGAGACAAGATTCTGTGTAGTCACTGCTCGCTGGGAATCTATTTCACAA 420  
1021 CCATGAGCGGAGACAAGATTCTGTGTAGTCACTGCTCGCTGGGAATCTATTTCACAA 1080

QY 421 AGTTCTCCAAAAAATGTGATGATCAAACTAGGAATTAGTGTCTGTGTCTTAGGCCCTA 480  
DB 1081 AGTTCTCCAAAAAATGTGATGATCAAACTAGGAATTAGTGTCTGTGTCTTAGGCCCTA 1140

QY 481 AAATCTCTCTGTGAATTTCCATTTTAAAGGTAGTTCGAGGTGAACCGGCTCTGGTCTGCAGA 540  
DB 1141 AAATCTCTCTGTGAATTTCCATTTTAAAGGTAGTTCGAGGTGAACCGGCTCTGGTCTGCAGA 1200

QY 541 GGATAGAAAAAGGCCCTCTGTGATACCTCAAGTTAGTTTACCTTTAAAGAAAGTTCGGAAG 600  
DB 1201 GGATAGAAAAAGGCCCTCTGTGATACCTCAAGTTAGTTTACCTTTAAAGAAAGTTCGGAAG 1260

QY 601 TAAAGACGCAAGCCCTTTCCCGACGTCGCGAAGGCGCAAGTCTTCTCATGGCCCGAA 660  
DB 1261 TAAAGACGCAAGCCCTTTCCCGACGTCGCGAAGGCGCAAGTCTTCTCATGGCCCGAA 1320

QY 661 ATGGAATCTTTAAATTTCCCGTTCCCGTCCCGACGTCGCGAAGGCGCAAGTCTTCTCATGGAG 720  
DB 1321 ATGGAATCTTTAAATTTCCCGTTCCCGTCCCGACGTCGCGAAGGCGCAAGTCTTCTCATGGAG 1380

QY 721 AGCCGCGAGAGTCACTTGGCCAAATCGTGGGTGCGCGCCGCTCCCTTTATAAGCCGA 780  
DB 1381 AGCCGCGAGAGTCACTTGGCCAAATCGTGGGTGCGCGCCGCTCCCTTTATAAGCCGA 1440

QY 781 CTGCGCCGCGAGCGCACCGGTTGCGGAGGTTGCGGAGGTTGCGGAGGTTGCGGAGGTTT 840  
DB 1441 CTGCGCCGCGAGCGCACCGGTTGCGGAGGTTGCGGAGGTTGCGGAGGTTGCGGAGGTTT 1500

QY 841 TGTCTAACCCCTAACTGAGAAAGGCGTA 867  
DB 1501 TGTCTAACCCCTAACTGAGAAAGGCGTA 1527

RESULT 5  
US-08-472-802C-4  
Sequence 4, Application US/08472802C  
Patent No. 5958680  
GENERAL INFORMATION:  
APPLICANT: Villeponteau, Bryant  
APPLICANT: Feng, Junli  
APPLICANT: Andrews, William H.  
TITLE OF INVENTION: Mammalian Telomerase  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/472,802C  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/272,102  
FILING DATE: 07-JUL-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/330,123  
FILING DATE: 27-OCT-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M.  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 15389-000820

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2426 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-472-802C-4

Query Match 97.9%; Score 848.6; DB 2; Length 2426;  
Best Local Similarity 99.4%; Pred. No. 1.6e-274;  
Matches 862; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

QY 1 AGCTACTCAGGAGCTGAGACAGAGATCGCTTGAACCGGAGGAGGAGGTTGCGAGTG 60  
DB 662 AGCTACTCAGGAGCTGAGACAGAGATCGCTTGAACCGGAGGAGGAGGTTGCGAGTG 720  
QY 61 AGCGGAGATCACGCCACTAGACTCCATCCAGCTGGGCGGAAAGCAAGACTCCGTCCTCA 120  
DB 721 AGCGGAGATCACGCCACTAGACTCCATCCAGCTGGGCGGAAAGCAAGACTCCGTCCTCA 780  
QY 121 AAAAAAATCGTTACAAATTTATGTTGATTAATCTCCCTCTTTTACCTCATCAAGACA 180  
DB 781 AAAAAAATCGTTACAAATTTATGTTGATTAATCTCCCTCTTTTACCTCATCAAGACA 840  
QY 181 CAGCACTACTTTAAAGCAAGTCAATGATTGAACGCTTCTTCTTAATAAAGGGAG 240  
DB 841 CAGCACTACTTTAAAGCAAGTCAATGATTGAACGCTTCTTCTTAATAAAGGGAG 900  
QY 241 ATTCACTCTTAAGATTAATAATGTTAGTATTACACTTGATTAAAGCCATCTCTCTCA 300  
DB 901 ATTCACTCTTAAGATTAATAATGTTAGTATTACACTTGATTAAAGCCATCTCTCTCA 960  
QY 301 AGAGAACTGGAGAGGCAATTTCTAAGGAAAGGGGAGGTTGAACTCGGAGCGATC 360  
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QY 361 CCACTGAGCGGAGACAGATTCGCTGTAGTCTGCTGGGATCTATTTTCAAA 420  
DB 1021 CCACTGAGCGGAGACAGATTCGCTGTAGTCTGCTGGGATCTATTTTCAAA 1080  
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DB 1081 AGTTCTCCAAAATGTGATGATCAAAATAGTATTAGTGTCTGTCTTAGGCCCTA 1140  
QY 481 AATCTCTCTGTAATTCATTTTAAAGTAGTCGAGGTGAACCGGCTGTGTCGAGA 540  
DB 1141 AATCTCTCTGTAATTCATTTTAAAGTAGTCGAGGTGAACCGGCTGTGTCGAGA 1200  
QY 541 GGATAGAAAAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAGTTCGGAAG 600  
DB 1201 GGATAGAAAAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAGTTCGGAAG 1260  
QY 601 TAAAGACGCAAGCCCTTCCGAGACGTGGGAAAGGCAAGCTCTTCTCATGCGCGAA 660  
DB 1261 TAAAGACGCAAGCCCTTCCGAGACGTGGGAAAGGCAAGCTCTTCTCATGCGCGAA 1320  
QY 661 ATGGAATTTAATTTCCGTTCCCTCCCAACAGCCCGCGGAGAGTGAATCTCAAGAG 720  
DB 1321 ATGGAATTTAATTTCCGTTCCCTCCCAACAGCCCGCGGAGAGTGAATCTCAAGAG 1380  
QY 721 AGCCGCGAGAGTCAGCTTGGCCCAATCCGTGCGGTGCGGCGCGCTCCCTTTATAGCCGA 780  
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DB 1441 CTCGCCGCGAGGCAAGCCGTTGCGAGAGGTTGGGCTGCGGAGGTTGGTGGCCATTTT 1500  
QY 841 TGTCTAACCTTAACCTGAGAAGGCGGTA 867

DB 1501 TGTCTAACCTTAACCTGAGAAGGCGGTA 1527  
RESULT 6  
US-08-714-482-1  
Sequence 1, Application US/08714482  
Patent No. 5972605  
GENERAL INFORMATION:  
APPLICANT: Villeponteau, Bryant  
TITLE OF INVENTION: Assays for Regulators of Mammalian  
TITLE OF INVENTION: Telomerase Expression  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESSES:  
ADDRESSES: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICANT NUMBER: US/08/714,482  
FILING DATE: 16-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/521,634  
FILING DATE: 31-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/482,115  
FILING DATE: 07-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/472,802  
FILING DATE: 07-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/330,123  
FILING DATE: 27-OCT-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/272,102  
FILING DATE: 07-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 015389-008600US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2426 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: -  
LOCATION: 1..2426  
OTHER INFORMATION: /note= "SauIIAI-HindIII fragment  
containing hTR sequences as well as  
transcription regulatory sequences"  
US-08-714-482-1

Query Match 97.9%; Score 848.6; DB 2; Length 2426;  
Best Local Similarity 99.4%; Pred. No. 1.6e-274;  
Matches 862; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

QY 1 AGCTACTCAGGAGCTGAGACAGAGATCGCTTGAACCGGAGGAGGTTGCGAGTG 60

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Db 662 AGCTACTCAGGAGGCTGAGACACAGAGATCGCTTGAACCCCGGA-GCAGAGGTTGCAGTG 720
Qy 61 AGCCGAGATACGCCACTAGACTCATCCAGCTGGGCGAAGAGCAAGACTCCGCTCTCA 120
Db 721 AGCCGAGATACGCCACTAGACTCATCCAGCTGGGCGAAGAGCAAGACTCCGCTCTCA 780
Qy 121 AAAAAAAAAATCGTTTACAAATTTATGGTGGATTACTCCCTCTTTTACCTCATCAAGACA 180
Db 781 AAAAAAAAAATCGTTTACAAATTTATGGTGGATTACTCCCTCTTTTACCTCATCAAGACA 840
Qy 181 CAGCACTACTTTAAAGCAAGTCAATGATTAAGAGCGCTTTCTTCTTAATAAAGGGAG 240
Db 841 CAGCACTACTTTAAAGCAAGTCAATGATTAAGAGCGCTTTCTTCTTAATAAAGGGAG 900
Qy 241 ATTCACTCTTAAGATTAATGATTAAGAGCGCTTTCTTCTTAATAAAGGGAG 300
Db 901 ATTCACTCTTAAGATTAATGATTAAGAGCGCTTTCTTCTTAATAAAGGGAG 960
Qy 301 AGGAGAGCTGGAGAGGCAATCTTAAGGAAAGAGGCGAGGTTGGAACCTCGGACGCATC 360
Db 961 AGGAGAGCTGGAGAGGCAATCTTAAGGAGAGGCGAGGTTGGAACCTCGGACGCATC 1020
Qy 361 CCACGTAGCCGAGACAGATTCGTGTAGTCAAGTGAACCGCTCTGGTCTGTCGACA 420
Db 1021 CCACGTAGCCGAGACAGATTCGTGTAGTCAAGTGAACCGCTCTGGTCTGTCGACA 1080
Qy 421 AGTTCTCCAAAAATGTGATCAAACTAGGAATAGTGTCTGTCTTAGGCCCTA 480
Db 1081 AGTTCTCCAAAAATGTGATCAAACTAGGAATAGTGTCTGTCTTAGGCCCTA 1140
Qy 481 AAATCTCTCTGTAATTCATTTTAAAGTGTAGTCAAGTGAACCGCTCTGGTCTGTCGACA 540
Db 1141 AAATCTCTCTGTAATTCATTTTAAAGTGTAGTCAAGTGAACCGCTCTGGTCTGTCGACA 1200
Qy 541 GGATAGAAAAAGGCGCTCTGATACCTCAAGTGTAGTTTACCTTTAAAGAGGTCGGAAG 600
Db 1201 GGATAGAAAAAGGCGCTCTGATACCTCAAGTGTAGTTTACCTTTAAAGAGGTCGGAAG 1260
Qy 601 TAAAGAGCAAGAGCTTTCCGCGAGTCGCGAAGGCAAGCTCTCTCATGCGCGGAA 660
Db 1261 TAAAGAGCAAGAGCTTTCCGCGAGTCGCGAAGGCAAGCTCTCTCATGCGCGGAA 1320
Qy 661 ATGGAATTTTAAATTTCCGCTTTCCCGCAACAGCGCCGCGAGAGTGAATCTCAAGAG 720
Db 1321 ATGGAATTTTAAATTTCCGCTTTCCCGCAACAGCGCCGCGAGAGTGAATCTCAAGAG 1380
Qy 721 AGCCGAGAGTCAAGTGTGGCAATCGTGTGGTGGCGCGCTCCCTTTTAAAGCGGA 780
Db 1381 AGCCGAGAGTCAAGTGTGGCAATCGTGTGGTGGCGCGCTCCCTTTTAAAGCGGA 1440
Qy 781 CTCGCCGCGAGCGCACCGGCTGCGGAGGCTGGCGGCTGGGAGGGGTGGTGGCCATTTT 840
Db 1441 CTCGCCGCGAGCGCACCGGCTGCGGAGGCTGGCGGCTGGGAGGGGTGGTGGCCATTTT 1500
Qy 841 TGTCTAACCTTAAGTGAAGGGGTA 867
Db 1501 TGTCTAACCTTAAGTGAAGGGGTA 1527
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## RESULT 7

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US-08-998-443-3
; Sequence 3, Application US/08998443
; Patent No. 6054575
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Mammalian Telomerase
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
```

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; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/998,443
; APPLICATION NUMBER: US/08/998,443
; FILING DATE:
; CLASSIFICATION:
; PRIORITY DATA:
; APPLICATION NUMBER: US/08/660,678
; FILING DATE: 05-JUN-1996
; APPLICATION NUMBER: US/08/330,123
; FILING DATE: 27-OCT-1994
; PRIORITY DATA:
; APPLICATION NUMBER: US/08/272,102
; FILING DATE: 07-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-000811US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2426 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-998-443-3
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Query Match 97.9%; Score 848.6; DB 3; Length 2426;

Best Local Similarity 99.4%; Pred. No. 1.6e-274;

Matches 862; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

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Db 662 AGCTACTCAGGAGGCTGAGACACAGAGATCGCTTGAACCCCGGAGGAGAGGTTGCAGTG 720
Qy 61 AGCCGAGATCAGCCACTAGACTCCATCCAGCTGGGCGAAGAGCAAGACTCCGCTCTCA 120
Db 721 AGCCGAGATCAGCCACTAGACTCCATCCAGCTGGGCGAAGAGCAAGACTCCGCTCTCA 780
Qy 121 AAAAAAAAAATCGTTTACAAATTTATGGTGGATTACTCCCTCTTTTACCTCATCAAGACA 180
Db 781 AAAAAAAAAATCGTTTACAAATTTATGGTGGATTACTCCCTCTTTTACCTCATCAAGACA 840
Qy 181 CAGCACTACTTTAAAGCAAGTCAATGATTAAGAGCGCTTTCTTCTTAATAAAGGGAG 240
Db 841 CAGCACTACTTTAAAGCAAGTCAATGATTAAGAGCGCTTTCTTCTTAATAAAGGGAG 900
Qy 241 ATTCACTCTTAAGATTAATGATTAAGAGCGCTTTCTTCTTAATAAAGGGAG 300
Db 901 ATTCACTCTTAAGATTAATGATTAAGAGCGCTTTCTTCTTAATAAAGGGAG 960
Qy 301 AGGAGAGCTGGAGAGGCAATCTTAAGGAAAGAGGCGAGGTTGGAACCTCGGACGCATC 360
Db 961 AGGAGAGCTGGAGAGGCAATCTTAAGGAGAGGCGAGGTTGGAACCTCGGACGCATC 1020
Qy 361 CCACGTAGCCGAGACAGATTCGTGTAGTCAAGTGAACCGCTCTGGTCTGTCGACA 420
Db 1021 CCACGTAGCCGAGACAGATTCGTGTAGTCAAGTGAACCGCTCTGGTCTGTCGACA 1080
Qy 421 AGTTCTCCAAAAATGTGATCAAACTAGGAATAGTGTCTGTCTTAGGCCCTA 480
Db 1081 AGTTCTCCAAAAATGTGATCAAACTAGGAATAGTGTCTGTCTTAGGCCCTA 1140
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QY 481 AAATCTCTCTGTAATTCATTTTAAAGTAGTCGAGGTGAACCGCGTCTGTCGAGA 540  
Db 1141 AAATCTCTCTGTAATTCATTTTAAAGTAGTCGAGGTGAACCGCGTCTGTCGAGA 1200  
QY 541 GGATAGAAAAGGCGCTCTGATACCTCAAGTTAGTTTCACTTTTAAAGAGGTGCGAAG 600  
Db 1201 GGATAGAAAAGGCGCTCTGATACCTCAAGTTAGTTTCACTTTTAAAGAGGTGCGAAG 1260  
QY 601 TAAAGACGCAAAAGCGCTTTCCCGACGTGCGGAAGGCAACGCTCTCTCATGCGCGGAA 660  
Db 1261 TAAAGACGCAAAAGCGCTTTCCCGACGTGCGGAAGGCAACGCTCTCTCATGCGCGGAA 1320  
QY 661 ATGGAACTTTAAATTTCCCGTTCCTCCCAACAGCGCGCGCGAGAGTGACTCTCACAGAG 720  
Db 1321 ATGGAACTTTAAATTTCCCGTTCCTCCCAACAGCGCGCGCGAGAGTGACTCTCACAGAG 1380  
QY 721 AGCGCGAGAGTCAGCTTGGCCCAATCCGTGCGGTGCGGCGCGCGCTCCCTTTTAAAGCCGA 780  
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QY 781 CTCGCCCGCGAGCGCAACCGGTTGCGGAGGTGGGCTGCGGCGCGCGCTCCCTTTTAAAGCCGA 840  
Db 1441 CTCGCCCGCGAGCGCAACCGGTTGCGGAGGTGGGCTGCGGCGCGCGCTCCCTTTTAAAGCCGA 1500  
QY 841 TGTCTAACCTTAACCTGAGAGGCGGTA 867  
Db 1501 TGTCTAACCTTAACCTGAGAGGCGGTA 1527

RESULT 8

US-09-060-523-3  
; Sequence 3, Application US/09060523  
; Patent No. 6258535  
; GENERAL INFORMATION:  
; APPLICANT: Villeponteau, Bryant  
; APPLICANT: Feng, Junli  
; APPLICANT: Funk, Walter  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: Mammalian Telomerase  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/060,523  
; FILING DATE: 14-APR-1998  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/660,678  
; FILING DATE: 05-JUN-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/330,123  
; FILING DATE: 27-OCT-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/272,102  
; FILING DATE: 07-JUL-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 015389-000813US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2426 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-09-060-523-3  
Query Match 97.9%; Score 848.6; DB 3; Length 2426;  
Best Local Similarity 99.4%; Pred. No. 1.6e-274;  
Matches 862; Conservative 0; Mismatches 4; Indels 1; Gaps 1;  
QY 1 AGCTACTCAGGAGGTGAGACACGAGATCGCTTGAACCCGCGGAGCAGAGTTGCACTG 60  
Db 662 AGCTACTCAGGAGGTGAGACACGAGATCGCTTGAACCCGCGGAGCAGAGTTGCACTG 720  
QY 61 AGCGGAGATCAGCGCACTAGACTCCATCCAGCTCGGCGGAAAGAGCAAGACTCCGCTCA 120  
Db 721 AGCGGAGATCAGCGCACTAGACTCCATCCAGCTCGGCGGAAAGAGCAAGACTCCGCTCA 780  
QY 121 AAAAAAATCGTTACAAATTTATGTTGATTTACTCCCTCTTTTACCTCATCAAGACA 180  
Db 781 AAAAAAATCGTTACAAATTTATGTTGATTTACTCCCTCTTTTACCTCATCAAGACA 840  
QY 181 CAGCACTACTTTAAAGCAAAAGTCAATGATGTAACCGCTTTCTTCTTAATAAAGGAG 240  
Db 841 CAGCACTACTTTAAAGCAAAAGTCAATGATGTAACCGCTTTCTTCTTAATAAAGGAG 900  
QY 241 ATTCACTCTTAAAGTAAATTAATGATGTTAGTGTGATTTTACCTTCTTCTTCTCTCA 300  
Db 901 ATTCACTCTTAAAGTAAATTAATGATGTTAGTGTGATTTTACCTTCTTCTTCTCTCA 960  
QY 301 AGGAGAAGCTGAGAGGAGCAATTTAAAGGAAAGGCGGAGGTTGGAACTCGGACGATC 360  
Db 961 AGGAGAAGCTGAGAGGAGCAATTTAAAGGAAAGGCGGAGGTTGGAACTCGGACGATC 1020  
QY 361 CCACTGAGCGGAGACAAGATTCGTGTGATGTCAGTGTGCTGCGTGGGAATCTATTTTCA 420  
Db 1021 CCACTGAGCGGAGACAAGATTCGTGTGATGTCAGTGTGCTGCGTGGGAATCTATTTTCA 1080  
QY 421 AGTTCTCCAAAATGTTGATGATCAAACTAGGAATTTAGTGTCTGTGTCTTAGGCCCTA 480  
Db 1081 AGTTCTCCAAAATGTTGATGATCAAACTAGGAATTTAGTGTCTGTGTCTTAGGCCCTA 1140  
QY 481 AAATCTCTCTGTAATTTCCATTTTAAAGTAGTCGAGGTGAACCGCGTCTGTCGAGA 540  
Db 1141 AAATCTCTCTGTAATTTCCATTTTAAAGTAGTCGAGGTGAACCGCGTCTGTCGAGA 1200  
QY 541 GGATAGAAAAGGCGCTCTGATACCTCAAGTTAGTTTCACTTTTAAAGAGGTGCGAAG 600  
Db 1201 GGATAGAAAAGGCGCTCTGATACCTCAAGTTAGTTTCACTTTTAAAGAGGTGCGAAG 1260  
QY 601 TAAAGACGCAAAAGCGCTTTCCCGACGTGCGGAAGGCAACGCTCTCTCATGCGCGGAA 660  
Db 1261 TAAAGACGCAAAAGCGCTTTCCCGACGTGCGGAAGGCAACGCTCTCTCATGCGCGGAA 1320  
QY 661 ATGGAACTTTAAATTTCCCGTTCCTCCCAACAGCGCGCGCGAGAGTGACTCTCACAG 720  
Db 1321 ATGGAACTTTAAATTTCCCGTTCCTCCCAACAGCGCGCGCGAGAGTGACTCTCACAG 1380  
QY 721 AGCGCGAGAGTCAGCTTGGCCCAATCCGTGCGGTGCGGCGCGCGCTCCCTTTTAAAGCCGA 780  
Db 1381 AGCGCGAGAGTCAGCTTGGCCCAATCCGTGCGGTGCGGCGCGCGCTCCCTTTTAAAGCCGA 1440  
QY 781 CTCGCCCGCGAGCGCAACCGGTTGCGGAGGTGGGCTGCGGCGCGCGCTCCCTTTTAAAGCCGA 840  
Db 1441 CTCGCCCGCGAGCGCAACCGGTTGCGGAGGTGGGCTGCGGCGCGCGCTCCCTTTTAAAGCCGA 1500  
QY 841 TGTCTAACCTTAACCTGAGAGGCGGTA 867  
Db 1501 TGTCTAACCTTAACCTGAGAGGCGGTA 1527

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RESULT 9
US-09-057-351-3
; Sequence 3, Application US/09057351
; Patent No. 6548298
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Mammalian Telomerase
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/057,351
; FILING DATE: 08-APR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,123
; FILING DATE: 27-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,802
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-000821US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2426 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-057-351-3

Query Match 97.9%; Score 848.6; DB 4; Length 2426;
Best Local Similarity 99.4%; Pred. No. 1.6e-274;
Matches 862; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

*QY 1 AGCTACTCAGAGGCTGAGACACGAGATCCCTTGAACCCGGGAGGAGGTTGCAGTG 60
Db 662 AGCTACTCAGAGGCTGAGACACGAGATCCCTTGAACCCGGGAGGAGGTTGCAGTG 720
QY 61 AGCCGAGATCAGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTTCTCA 120
Db 721 AGCCGAGATCAGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTTCTCA 780
QY 121 AAAAAAAAAATCGTTACAAATTATGGTGGATATCCCTCTTTTACCTCATCAAGACA 180
Db 781 AAAAAAAAAATCGTTACAAATTATGGTGGATATCCCTCTTTTACCTCATCAAGACA 840
QY 181 CAGCACTACTTTAAAGCAAGTCAATGATTCGAACGCTTTCTTTCTTAATAAAGGAG 240
Db 841 CAGCACTACTTTAAAGCAAGTCAATGATTCGAACGCTTTCTTTCTTAATAAAGGAG 900
QY 241 ATTCAGTCTTAAGATTAATAATGTAGTAGTTACACTTTGATTAAGGCCATCTCTGCTCA 300

Db 901 ATTCAAGTCTTAAGATTAATAATGTAGTAGTTACACTTTGATTAAGGCCATCTCTGCTCA 960
QY 301 AGGAGAGCTGGAGAGGCAATCTTAAGGAAAAAGGGCGAGGTTGGAACTCGGACGATC 360
Db 961 AGGAGAGCTGGAGAGGCAATCTTAAGGAAAAAGGGCGAGGTTGGAACTCGGACGATC 1020
QY 361 CCACTAGCCGAGACAAGATTTCTGCTGTAGTCAAGTCTGCTGGGAATCTATTTTCAAA 420
Db 1021 CCACTAGCCGAGACAAGATTTCTGCTGTAGTCAAGTCTGCTGGGAATCTATTTTCAAA 1080
QY 421 AGTTCTCAAAAAATGTGATGATCAAACTAGGAATTTAGTGTCTGTGTCTTAGGCCCTA 480
Db 1081 AGTTCTCAAAAAATGTGATGATCAAACTAGGAATTTAGTGTCTGTGTCTTAGGCCCTA 1140
QY 481 AATCTCTCTGTGAATTTCCATTTTAAAGTAGTCAAGTGAACCGCTCTGTCTGTCGAGA 540
Db 1141 AATCTCTCTGTGAATTTCCATTTTAAAGTAGTCAAGTGAACCGCTCTGTCTGTCGAGA 1200
QY 541 GGATAGAAAAAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTTAAAGAGGTCGGAAG 600
Db 1201 GGATAGAAAAAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTTAAAGAGGTCGGAAG 1260
QY 601 TAAAGACGAAAGCCTTTTCCGAGACGTGCGAAAGGCAACGTCCTCTCATGCGCCGAA 660
Db 1261 TAAAGACGAAAGCCTTTTCCGAGACGTGCGAAAGGCAACGTCCTCTCATGCGCCGAA 1320
QY 661 ATGGAACCTTTAATTTCCCGTTCCCGCAACAGCCCGCCGAGAGAGTCTCAGCAG 720
Db 1321 ATGGAACCTTTAATTTCCCGTTCCCGCAACAGCCCGCCGAGAGAGTCTCAGCAG 1380
QY 721 AGCCGAGAGTCAAGTCTGAGTCCCAATCCGTCGGTTCGGCGCCGCTCCCTTTATAAGCGA 780
Db 1381 AGCCGAGAGTCAAGTCTGAGTCCCAATCCGTCGGTTCGGCGCCGCTCCCTTTATAAGCGA 1440
QY 781 CTGCCCCGAGCAGCCAGCGGTTGCGAGGAGTGGGCTCGGAGGGGTGGTGCCATTTT 840
Db 1441 CTGCCCCGAGCAGCCAGCGGTTGCGAGGAGTGGGCTCGGAGGGGTGGTGCCATTTT 1500
QY 841 TGCTTAACCTTAAGTGAAGGCGTA 867
Db 1501 TGCTTAACCTTAAGTGAAGGCGTA 1527

RESULT 10
US-08-485-778-1
; Sequence 1, Application US/08485778
; Patent No. 5876979
; GENERAL INFORMATION:
; APPLICANT: Andrews, William H.
; APPLICANT: Avilion, Ariel Athena
; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Greider, Carol
; APPLICANT: Marhuenda, Maria Antonia Blasco
; APPLICANT: Villeponteau, Bryant
; TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: US
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,778
; FILING DATE: 07-JE-1995
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; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/387,524
; FILING DATE: 13-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,123
; FILING DATE: 27-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: CSHL94-05A4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2425 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-485-778-1

Query Match 96.3%; Score 834.6; DB 2; Length 2425;
Best Local Similarity 99.0%; Pred. No. 8.5e-270;
Matches 862; Conservative 0; Mismatches 4; Indels 5; Gaps 2;

QY 1 AGCTACTCAGGAGGCTGAGACGAGAAATCGCTTGAACCCCGGAGGACGAGGTTGCAATG 60
DB 662 AGCTACTCAGGAGGCTGAGACGAGAAATCGCTTGAACCCCGGAGGACGAGGTTGCAATG 720
QY 61 AGCCGAGATCAGCCCACTAGACTCCATCCAGCTGGGCGGAAGAGCAAGACTCCGCTCA 120
DB 721 AGCCGAGATCAGCCCACTAGACTCCATCCAGCTGGGCGGAAGAGCAAGACTCCGCTCA 780
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DB 781 AAAAAAATCGTTACAAATTTATGTTGATTAATCTCCCTCTTTTACCTCATCAAGACA 840
QY 181 CAGCACTACTTTAAGCAAAAGTCAATGATGAAACGCTTTCTTCTTAATAAAGGGAG 240
DB 841 CAGCACTACTTTAAGCAAAAGTCAATGATGAAACGCTTTCTTCTTAATAAAGGGAG 900
QY 241 ATTCACTCTTAAGATTAATGATGATGATGATGATGATGATGATGATGATGATGATG 300
DB 901 ATTCACTCTTAAGATTAATGATGATGATGATGATGATGATGATGATGATGATGATG 960
QY 301 AGGAGAGCTGGAGAGGCAATCTAAGGAAAAAGGGCGAGGTTGGAACTCGGACGCATC 360
DB 961 AGGAGAGCTGGAGAGGCAATCTAAGGAGAGGGGGGAGGGGTAGGAACTCGGACGCATC 1020
QY 361 CCACTGAGCGGAGACAAAGATTCCTGTTAGTCACTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB 1021 CCACTGAGCGGAGACAAAGATTCCTGTTAGTCACTGCTGCTGCTGCTGCTGCTGCTGCT 1080
QY 421 AGTTCTCCAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480
DB 1081 AGTTCTCCAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
QY 481 AAATCTCTCTGTAATTTCAATTTTAAAGGTAGTCGAGGTGAACCGGCTCTGCTGTCAGA 540
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DB 1261 TAAAGACGCAAGCCCTTTCCCGACGCTGCGAAGGCAAGCTCTCTCTCATGCGCGGAA 1320
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DB 1321 ATGGAACCTTTAATTTCCCGTTCCCGTCCCGCCCAACAGCCCGCCGAGAGAGTGACTCTCACGAG 1380
QY 721 AGCCGCGAGAGTCAGCTTGGCCCAATCCGTCGCGTGGGCGGCGCTCCCTTTTATAAGCCGA 780
DB 1381 AGCCGCGAGAGTCAGCTTGGCCCAATCCGTCGCGTGGGCGGCGCTCCCTTTTATAAGCCGA 1440
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DB 1441 CTCGCCCGGACGACACCGGGTTGC---GGAGGGTGGGCGCTGGGAGGGGTGGTGGCCAT 1500
QY 837 TTTTGTCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCT 867
DB 1501 TTTTGTCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCTTAACCT 1531

RESULT 11
US-08-520-550A-1
; Sequence 1, Application US/08520550A
; Patent No. 6013468
; GENERAL INFORMATION:
; APPLICANT: Andrews, William H.
; APPLICANT: Avillion, Ariel A.
; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Greider, Carol
; APPLICANT: Marhuenda, Maria A. B.
; APPLICANT: Vilponteau, Bryant
; TITLE OF INVENTION: RNA Component of Telomerase
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: US
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/520,550A
; FILING DATE: 29-AUG-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/387,524
; FILING DATE: 13-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,123
; FILING DATE: 27-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: CSHL94-05A3B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2425 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-520-550A-1
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Query Match      96.3%; Score 834.6; DB 3; Length 2425;
Best Local Similarity 99.0%; Pred. No. 8.5e-270;
Matches 862; Conservative 0; Mismatches 4; Indels 5; Gaps 2;

Qy 1 AGCTACTCAGAGGCTGAGACACGAGATCCTTGAACCCGGGAGGAGAGGTTGCAAGTG 60
Db 662 AGCTACTCAGAGGCTGAGACACGAGATCCTTGAACCCGGGA-GCAGAGGTTGCAAGTG 720

Qy 61 AGCCGAGATCAGCCACTAGACTCCATCCAGCTGGGGGAAGAGCAAGCTCGTCTCA 120
Db 721 AGCCGAGATCAGCCACTAGACTCCATCCAGCTGGGGGAAGAGCAAGCTCGTCTCA 780

Qy 121 AAAAAAAAAATCGTTTACAATTTATGGTGATTAATCTCCCTCTTTTACCTCATCAAGACA 180
Db 781 AAAAAAAAAATCGTTTACAATTTATGGTGATTAATCTCCCTCTTTTACCTCATCAAGACA 840

Qy 181 CAGCACTACTTTAAAGCAAGTCAATGATTAAGACGCTTTCTTTCTTAATAAAGGGAG 240
Db 841 CAGCACTACTTTAAAGCAAGTCAATGATTAAGACGCTTTCTTTCTTAATAAAGGGAG 900

Qy 241 ATTCAAGTCTTAAGATTAATATCTAGTAGTACACTTGATTAAGCCATCCTCGTCTCA 300
Db 901 ATTCAAGTCTTAAGATTAATATCTAGTAGTACACTTGATTAAGCCATCCTCGTCTCA 960

Qy 301 AGGAGAGCTGGAGAGGCAATTTAAAGGAAAGGGGAGGTTGGAACCTCGGACGCATC 360
Db 961 AGGAGAGCTGGAGAGGCAATTTAAAGGAGAGGGGAGGTTGGAACCTCGGACGCATC 1020

Qy 361 CCATGAGCCGAGACAGATTTCTGCTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
Db 1021 CCATGAGCCGAGACAGATTTCTGCTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080

Qy 421 AGTTCTCCAAAAATGATCATCAAACTAGGAATAGTGTCTGTCTGTCTAGGCCCTA 480
Db 1081 AGTTCTCCAAAAATGATCATCAAACTAGGAATAGTGTCTGTCTGTCTAGGCCCTA 1140

Qy 481 AAATCTCTCTGTAATTCATTTTTAGGTAGTGCAGGTGAACCGCGTCTGGTCTGCAGA 540
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Qy 541 GGATAGAAAAAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAGGTGCGAAG 600
Db 1201 GGATAGAAAAAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAGGTGCGAAG 1260

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Db 1261 TAAAGACCAAGGCTTTCCGGAGCTGCGGAAGGCAAGCTCTCTCTATGSCCGGAA 1320

Qy 661 ATGGAATTTAATTTCCCGTTTCCCGCCCAACAGCCCGCGGAGAGTGAATCTCAAGAG 720
Db 1321 ATGGAATTTAATTTCCCGTTTCCCGCCCAACAGCCCGCGGAGAGTGAATCTCAAGAG 1380

Qy 721 AGCCGAGAGTCAAGTTGGCAATTCGGTGGGCGGCGGCGGCTCCCTTTAAGCCGA 780
Db 1381 AGCCGAGAGTCAAGTTGGCAATTCGGTGGGCGGCGGCGGCTCCCTTTAAGCCGA 1440

Qy 781 CTCGCCGGCAGCCAGCCGGGTGC---GAGAGGTGGGCTGAGGGGGTGGGCGCAT 836
Db 1441 CTCGCCGGCAGCCAGCCGGGTGCGGAGTGGGGGTGGGCGGCTGGGAGGGGTGGGCGCAT 1500

Qy 837 TTTTGTCTAACCTCACTAGAGAGGGCGTA 867
Db 1501 TTTTGTCTAACCTCACTAGAGAGGGCGTA 1531
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RESULT 12

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US-08-714-482-2
; Sequence 2, Application US/08714482
; Patent No. 5972605
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
; APPLICANT: Harley, Calvin
; TITLE OF INVENTION: Assays for Regulators of Mammalian
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; TITLE OF INVENTION: Telomerase Expression
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/714,482
; FILING DATE: 16-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/521,634
; FILING DATE: 31-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/482,115
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,802
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,123
; FILING DATE: 27-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-00860US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 981 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..981
; OTHER INFORMATION: /note= "PetI fragment containing hTR
; OTHER INFORMATION: sequence"
; US-08-714-482-2
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Best Local Similarity 100.0%; Pred. No. 1.3e-101;
Matches 334; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 534 CTCGAGAGGATAGAAAAAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAGG 593
Db 1 CTCGAGAGGATAGAAAAAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAGG 60

Qy 594 TCGGAAGTAAAGACGCAAGCCCTTTCCCGGACGTGCGGAAGGGCAAGCTCTCTCATG 653
Db 61 TCGGAAGTAAAGACGCAAGCCCTTTCCCGGACGTGCGGAAGGGCAAGCTCTCTCATG 120

Qy 654 GCCGGAATGGAATTTTAAATTTCCCGTTCCCGCCCAACAGCCCGCGGAGAGTGAATC 713
Db 121 GCCGGAATGGAATTTTAAATTTCCCGTTCCCGCCCAACAGCCCGCGGAGAGTGAATC 180

Qy 714 TCACGAGAGCGGAGAGTCAAGTTGGCCCAATCGCGGTGCGGCGCGCTCCCTTAT 773
Db 181 TCACGAGAGCGGAGAGTCAAGTTGGCCCAATCGCGGTGCGGCGCGCTCCCTTAT 240
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;
; FEATURE:
; NAME/KEY: misc RNA
; LOCATION: 267..715
; OTHER INFORMATION: /product= "hTR"
; OTHER INFORMATION: /note= "hTR transcript serves as
; OTHER INFORMATION: template in the telomerase
; OTHER INFORMATION: ribonucleoprotein"
US-09-220-157A-5

Query Match 38.4%; Score 333; DB 3; Length 981;
Best Local Similarity 99.7%; Pred. No. 2.8e-101;
Matches 333; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 534 CTGCAGAGGATAGAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 593
Db 1 CTGCAGAGGATAGAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 60

Qy 594 TCGGAAGTAAAGACGCAAGCGCTTTCCCGGACGTGCGGAAGGGCAAGTCCTTCTCATG 653
Db 61 TCGGAAGTAAAGACGCAAGCGCTTTCCCGGACGTGCGGAAGGGCAAGTCCTTCTCATG 120

Qy 654 GCCGGAATGAACTTTAAATTTCCCGTTCCCGCCCAACCGCCCGCGAGAGTGACTC 713
Db 121 GCCGGAATGAACTTTAAATTTCCCGTTCCCGCCCAACCGCCCGCGAGAGTGACTC 180

Qy 714 TCAGGAGCGCGGAGAGTCAGCTTGGCCAAATCCGTGCGGCGCGCTCCCTTTAT 773
Db 181 TCAGGAGCGCGGAGAGTCAGCTTGGCCAAATCCGTGCGGCGCGCTCCCTTTAT 240

Qy 774 AAGCCGACTCCCGCGGACGCGACCGGGTTCCGAGAGGTGGGCTTGGAGGGGTGGTGGC 833
Db 241 AAGCCGACTCCCGCGGACGCGACCGGGTTCCGAGAGGTGGGCTTGGAGGGGTGGTGGC 300

Qy 834 CATTTTGTCTAACCTTAACCTGAGAGGGCGTA 867
Db 301 CATTTTGTCTAACCTTAACCTGAGAGGGCGTA 334
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## RESULT 15

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US-08-770-565-1
Sequence 1, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
```

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;
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 981 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-770-565-1

Query Match 38.3%; Score 332.4; DB 2; Length 981;
Best Local Similarity 99.7%; Pred. No. 4.4e-101;
Matches 333; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 534 CTGCAGAGGATAGAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 593
Db 1 CTGCAGAGGATAGAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 60

Qy 594 TCGGAAGTAAAGACGCAAGCGCTTTCCCGGACGTGCGGAAGGGCAAGTCCTTCTCATG 653
Db 61 TCGGAAGTAAAGACGCAAGCGCTTTCCCGGACGTGCGGAAGGGCAAGTCCTTCTCATG 120

Qy 654 GCCGGAATGAACTTTAAATTTCCCGTTCCCGCCCAACCGCCCGCGAGAGTGACTC 713
Db 121 GCCGGAATGAACTTTAAATTTCCCGTTCCCGCCCAACCGCCCGCGAGAGTGACTC 180

Qy 714 TCAGGAGCGCGGAGAGTCAGCTTGGCCAAATCCGTGCGGCGCGCTCCCTTTAT 773
Db 181 TCAGGAGCGCGGAGAGTCAGCTTGGCCAAATCCGTGCGGCGCGCTCCCTTTAT 240

Qy 774 AAGCCGACTCCCGCGGACGCGACCGGGTTCCGAGAGGTGGGCTTGGAGGGGTGGTGGC 833
Db 241 AAGCCGACTCCCGCGGACGCGACCGGGTTCCGAGAGGTGGGCTTGGAGGGGTGGTGGC 300

Qy 834 CATTTTGTCTAACCTTAACCTGAGAGGGCGTA 867
Db 301 CATTTTGTCTAACCTTAACCTGAGAGGGCGTA 334
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Search completed: August 16, 2005, 18:02:09

Job time : 202 secs